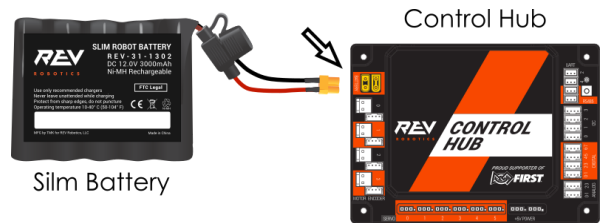


Driver Station Pairing to Control Hub

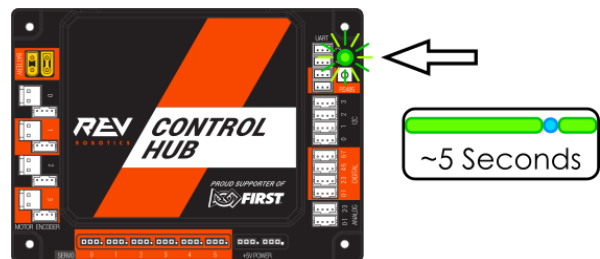
When you first receive your Control Hub (REV-31-1595), you will have to pair (link) your Driver Station (Android Device) to your Control Hub. This procedure only needs to be performed once for each set of hardware. If you replace your Driver Station or Control Hub, this procedure will need to be repeated. The steps below assume the FTC Driver Station Application or FIRST Global Driver Station Application are installed on your Android device.

Pairing the Driver Station with the Control Hub

Power on the Control Hub by plugging the 12V Slim Battery into the XT30 connector labeled "BATTERY" on the Control Hub. You may also choose to include a switch between the Battery and Control Hub, if you prefer.



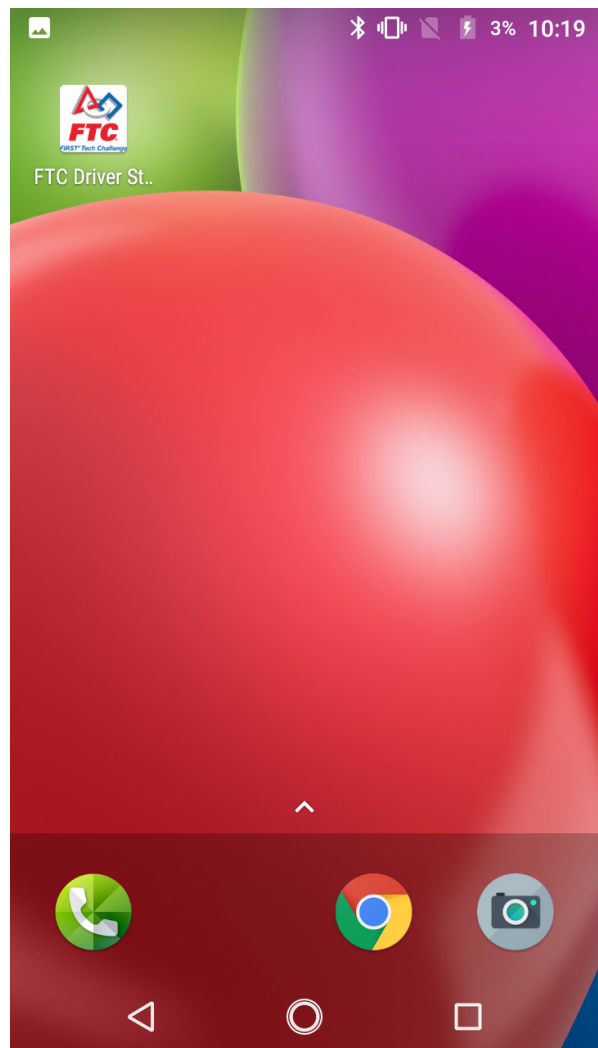
The Control Hub is ready to pair with the Driver Station when the LED turns green. Note: the light blinks blue every ~5 seconds to indicate that the Control Hub is healthy.



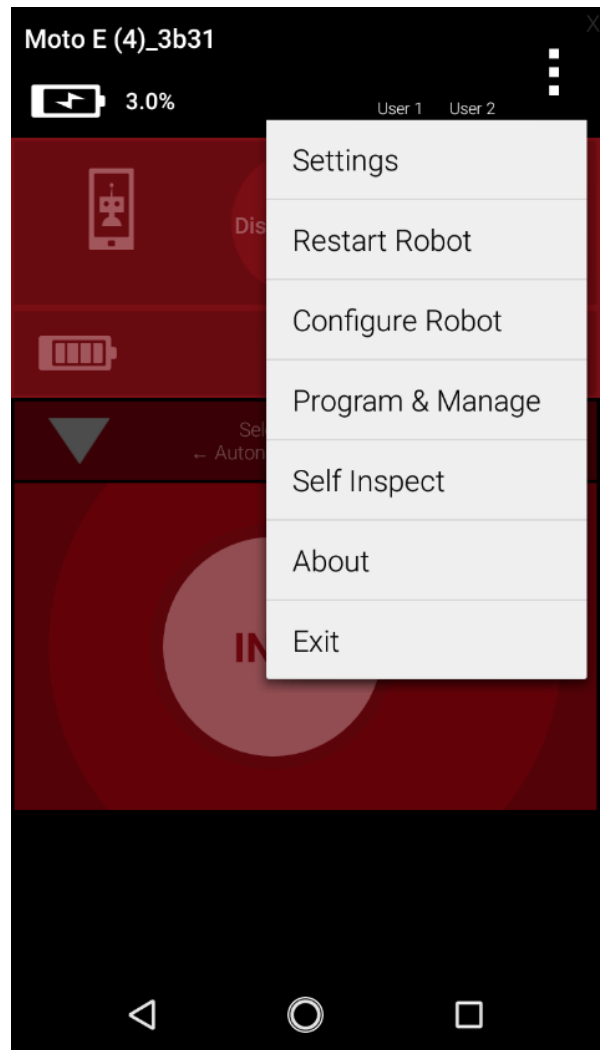
Power on your Android Device by holding down the power button.



Open the Driver Station application from the HOME Screen.



On the Driver Station page, open the menu from the top right corner, then select "Settings".



Select, "Pairing Method"

DRIVER STATION SETTINGS

Pair with Robot Controller
Change the robot controller this driver station is paired with

Pairing Method
Wifi Direct

Driver Station Name
Change the name of the driver station

Driver Station Color Scheme
Change the color scheme of the driver station.
Note: the app will restart if the color scheme is changed

Sound
Turn driver station app sounds on or off ON

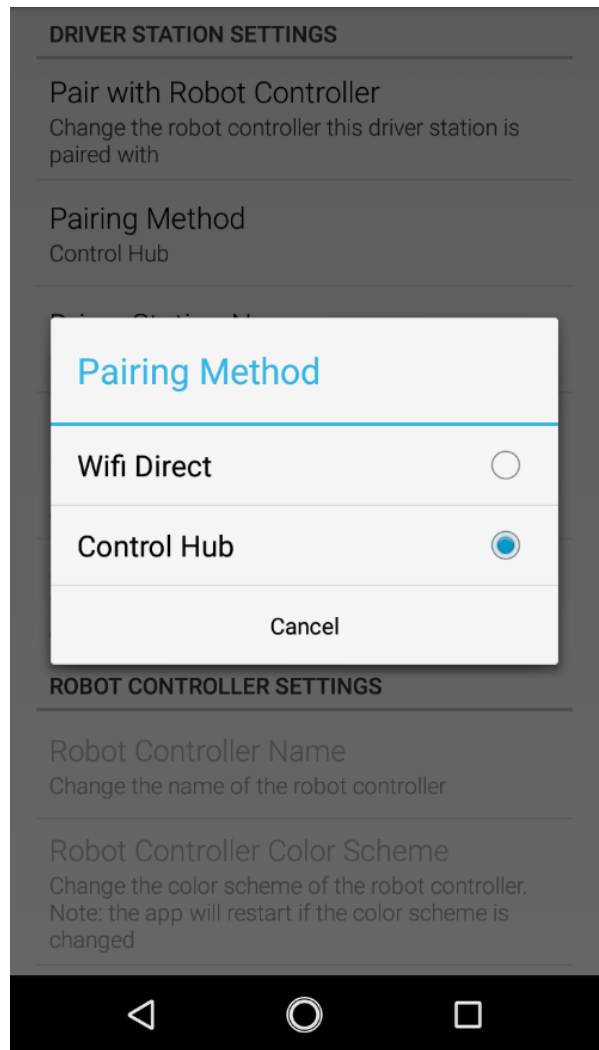
ROBOT CONTROLLER SETTINGS

Robot Controller Name
Change the name of the robot controller

Robot Controller Color Scheme
Change the color scheme of the robot controller.
Note: the app will restart if the color scheme is changed



Select, "Control Hub"



Select, "Pair with Robot Controller".

DRIVER STATION SETTINGS

Pair with Robot Controller
Change the robot controller this driver station is paired with

Pairing Method
Control Hub

Driver Station Name
Change the name of the driver station

Driver Station Color Scheme
Change the color scheme of the driver station.
Note: the app will restart if the color scheme is changed

Sound
Turn driver station app sounds on or off ON

ROBOT CONTROLLER SETTINGS

Robot Controller Name
Change the name of the robot controller

Robot Controller Color Scheme
Change the color scheme of the robot controller.
Note: the app will restart if the color scheme is changed



Wireless access point pairing is used to pair a driver station with a robot controller running on a Control Hub (use WifiDirect to pair with other robot controllers).

Each Control Hub robot controller hosts its own Wifi network named with the name of the robot controller (default password: "password"). Click the button below to use the system Wifi Settings of your driver station to select the network of the robot controller you want to pair with.

Current Robot Controller:

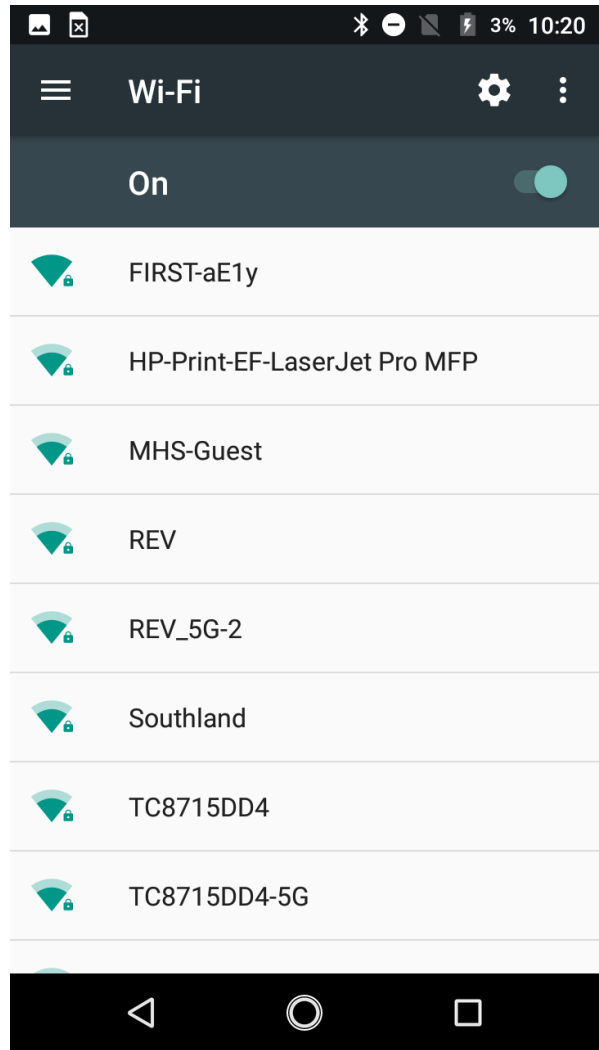
None

Wifi Settings

Select "Wifi Settings"

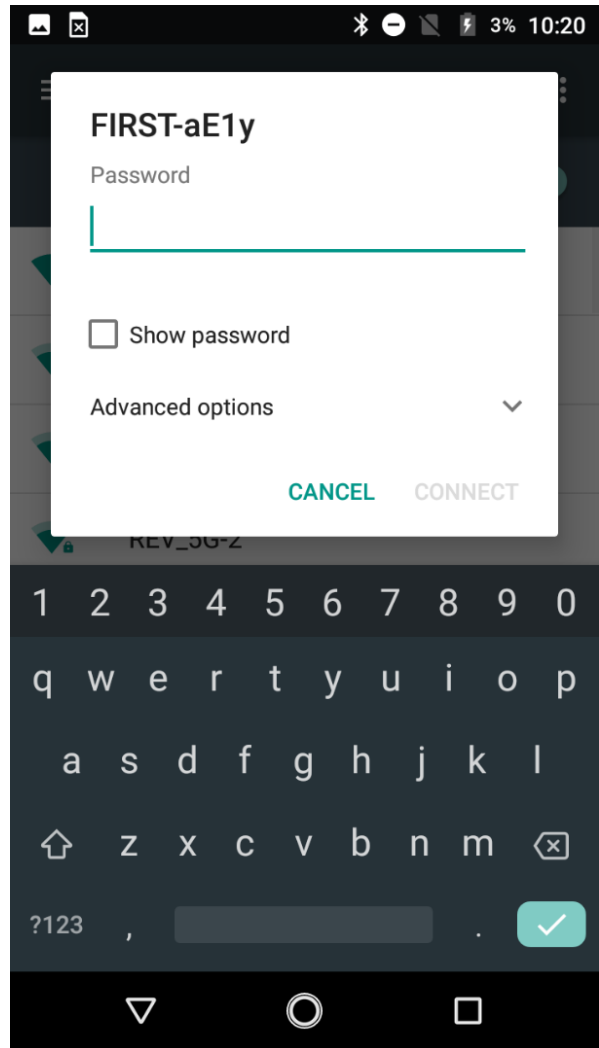


Select the name of the Wifi network generated by your Control Hub. The default SSID name starts with either "FIRST-" or "FTC-".

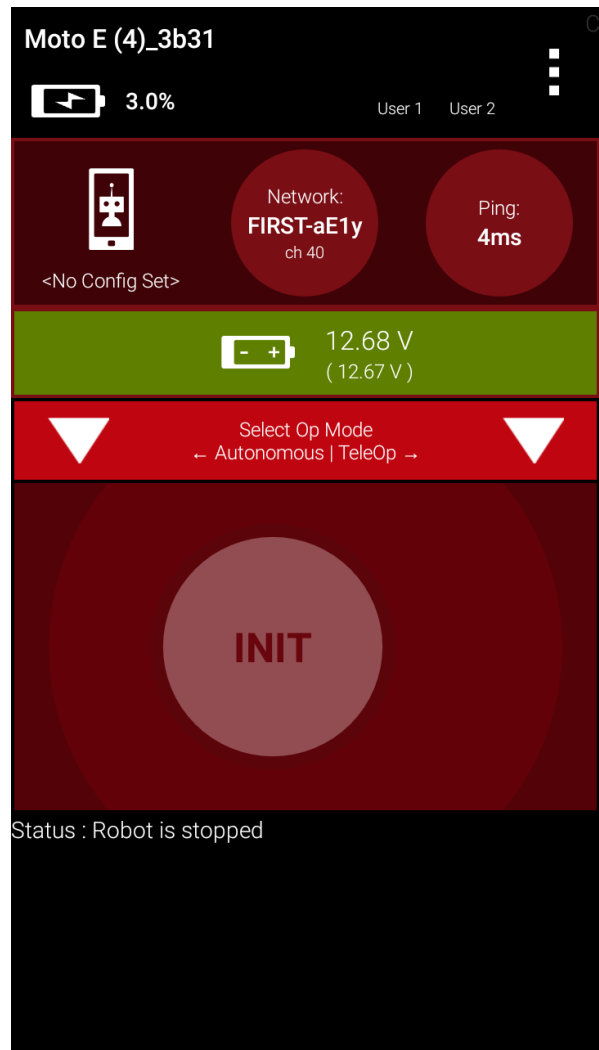


Enter the password to the Wifi network in the password field. This defaults to "password". Press "CONNECT".

After pressing connect, press the back arrow at the bottom of the display until you return to the main driver station screen.



After a couple of seconds, the Driver Station page will indicate the network name, a ping time, and battery voltage.



Your Driver Station is now paired with your Control Hub!